

APPROVED	O.G. FIG.	
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Inhibitors of Memapsin and Use Thereof
 By: Jordan J. P. Tang and K. Ghosh
 U.S.S.N. 09/603,713 MRF 182

FIG. 1

1v MASMTGGQQM GRGSMAGVLP AHGTQHGIRL PLRSGLGAP LGLRLPRETD
 36p EEPEEPGRRG SFVEMVDNLR GKSGQGYVE MTVGSPPTL NILVDTGSSN
 38 FAVGAAPHF LHRYYQRQLS STYRDLRKG VVPYTQGWKWE GELGTDLVSI
 88 PHGPNVTVRA NIAAITESDK FFINGSNWEG ILGLAYAEIA RPDDSLPEFF
 138 DSLVKQTHVP NLFSLQLCGA GFPLNQSEVL ASVGSMIIG GIDHSLYTGS
 188 LWYTPIRREW YVEVIVRVE INGQDLKMDK KEYNYDKSIV DSGTTNLRLP
 238 KKVFEEAAVKS IKAASSTEKF PDGFWLGEQL VCWQAGTTPW NIFPVISLYL
 288 MGEVTNQSR ITILPQQYLR PVEDVATSQD DCYKFAISQS STGTVMGAVI
 338 MEGFYVVFDR ARKRIGFAVS ACHVHDEFRT AAVEGPFVTL DMEDCGYNIP
 388 QTDESTLMTI AYVMAAICAL FMLPLCLMVC QWRCLRLRQ QHDDFADDIS
 438 LLK*



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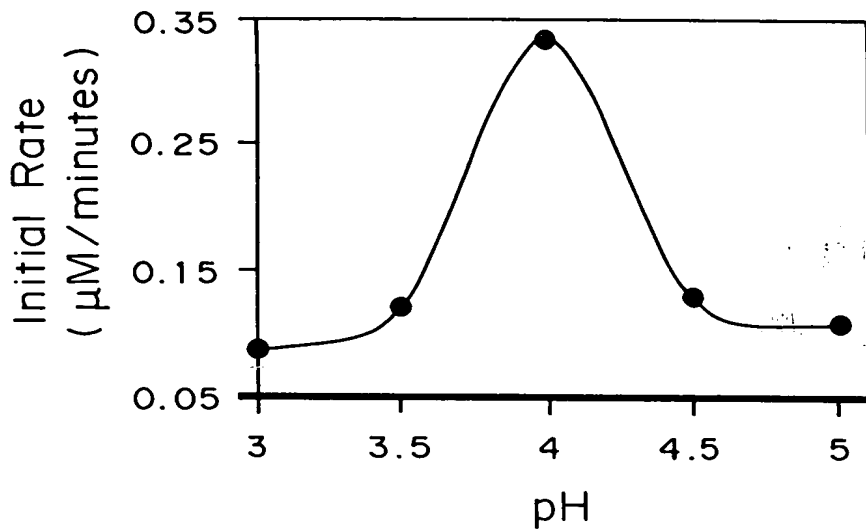


FIG. 2A

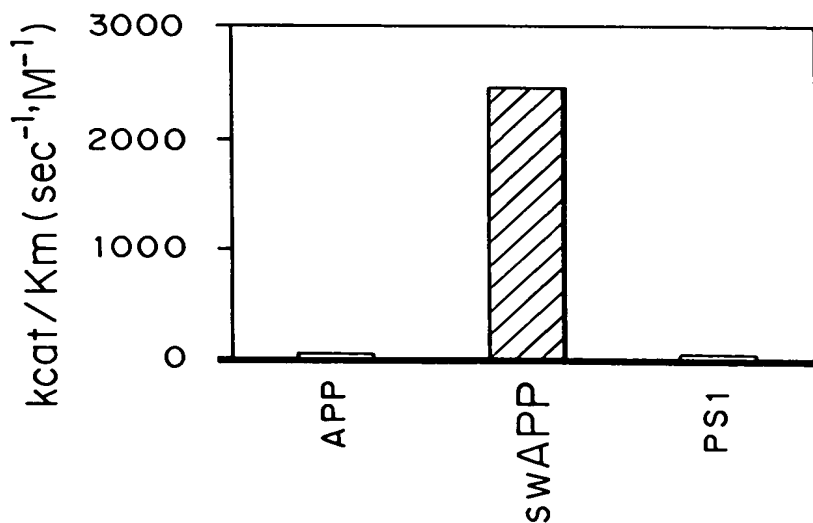


FIG. 2B

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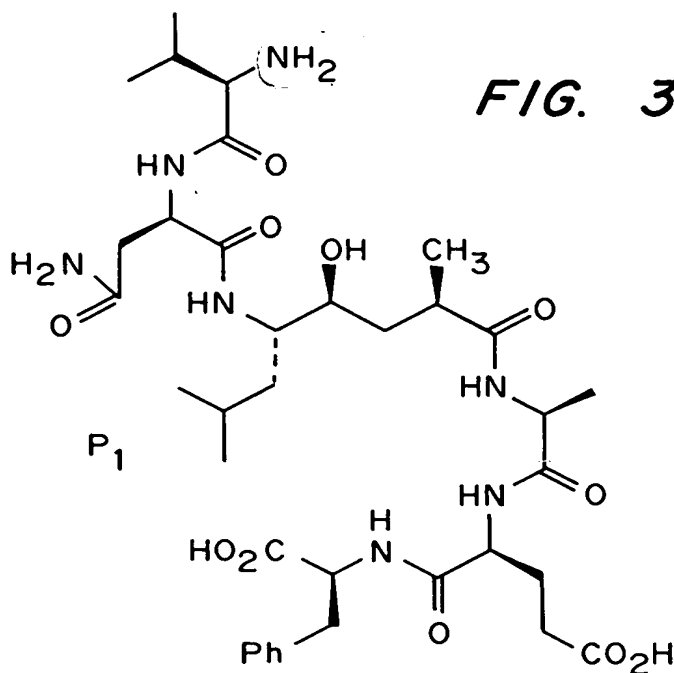


FIG. 3A

OM99 - 1

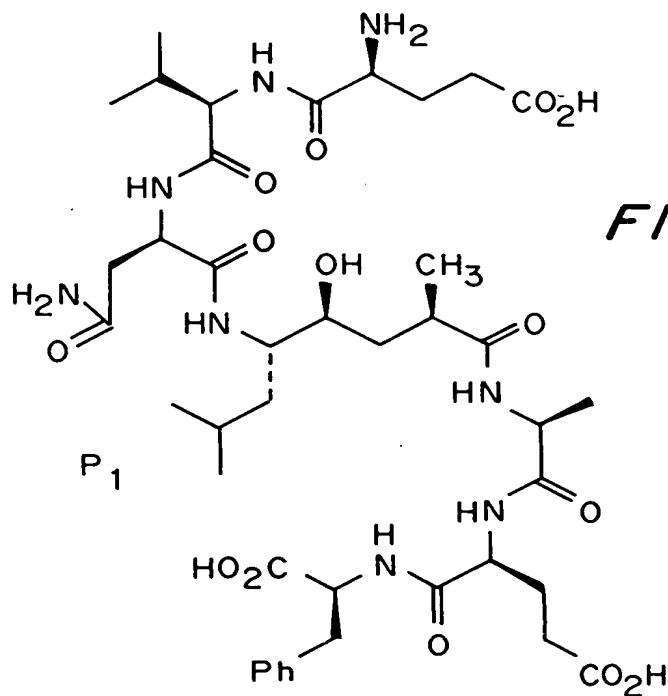


FIG. 3B

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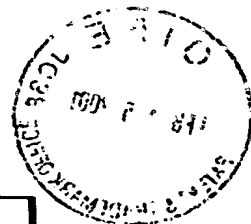
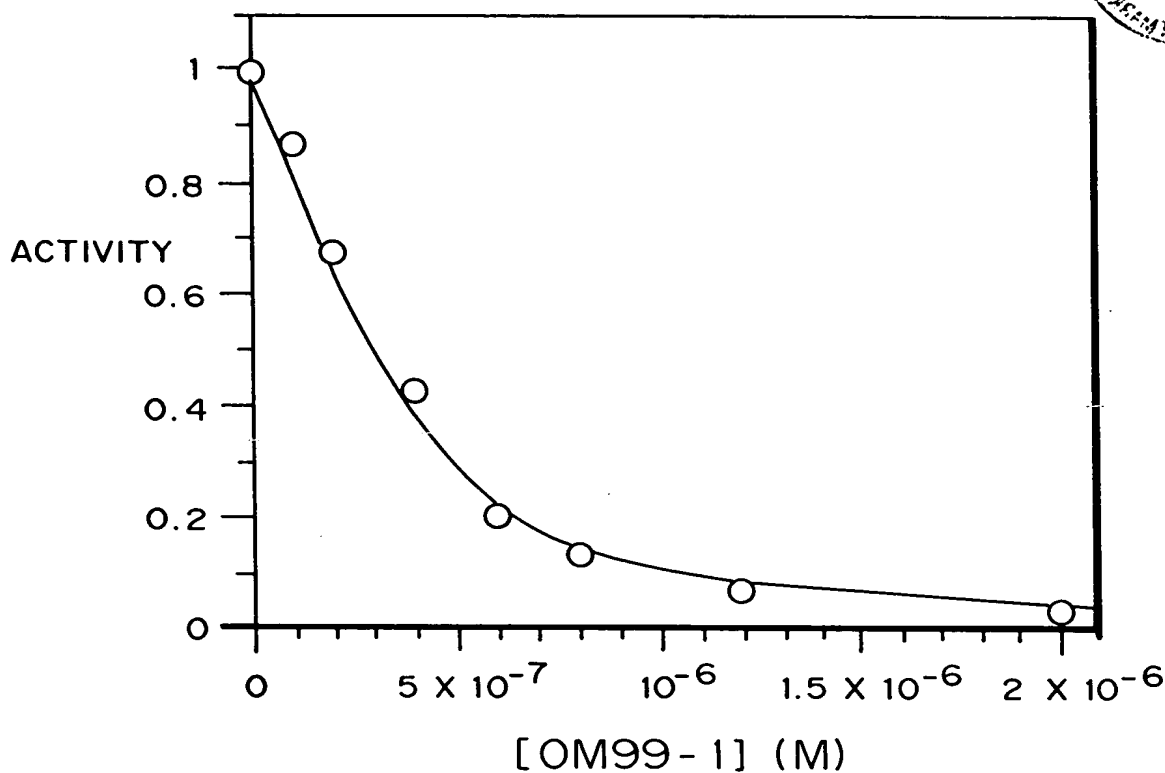


FIG. 4A



[Mep2] = 0.47 μ M

[Fluo. Substrate] = 29.9 μ M

Buffer: Na Acetate 0.1 M, 5% DMSO, pH 4.5 at 37°C

Excitation at 350 nm

Emission at 490 nm

Parameter	Value	Std. Error
Ki	6.84e - 8	2.72 e - 9

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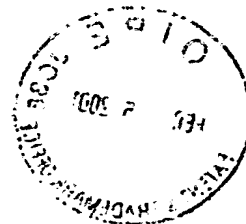
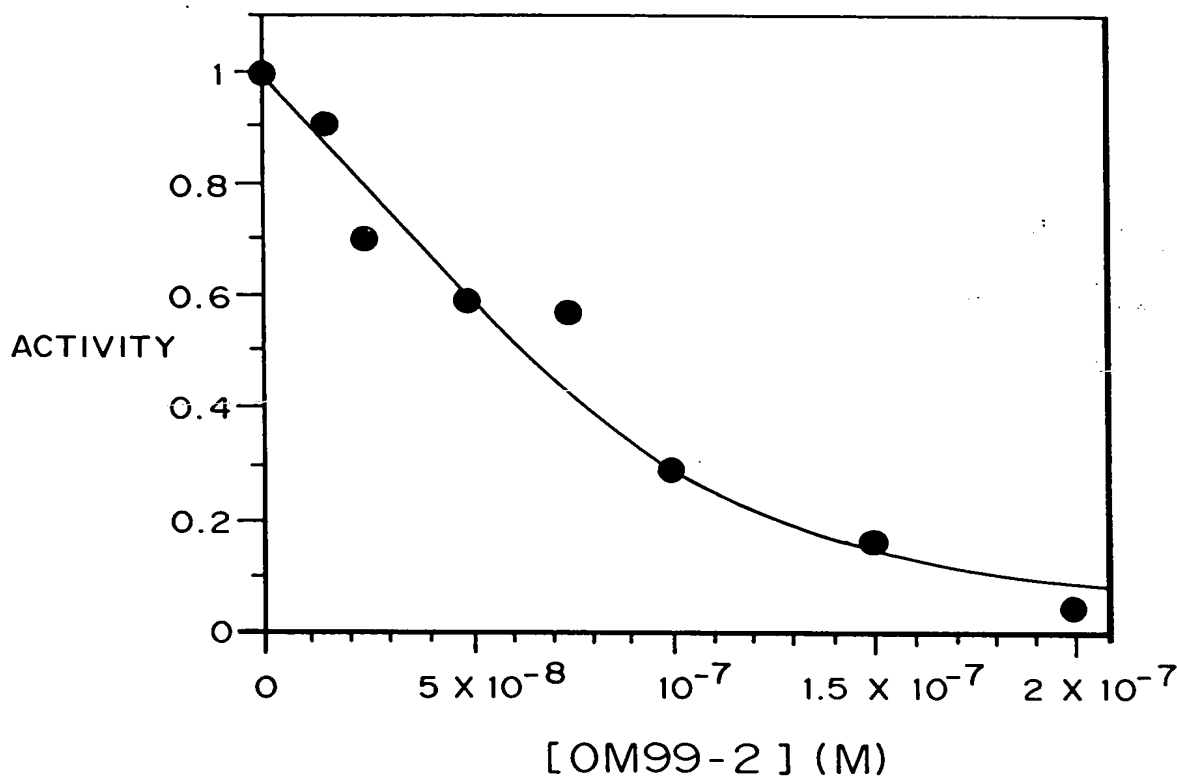


FIG. 4B



$[E]_0 = 0.11 \mu\text{M}$

$[\text{Fluo Substrate}] = 29.9 \mu\text{M}$

Parameter	Value	Std. Error
Ki	9.58e-9	2.86e-10



FIG. 5C



FIG. 5B



FIG. 5A



FIG. 5D



FIG. 5E

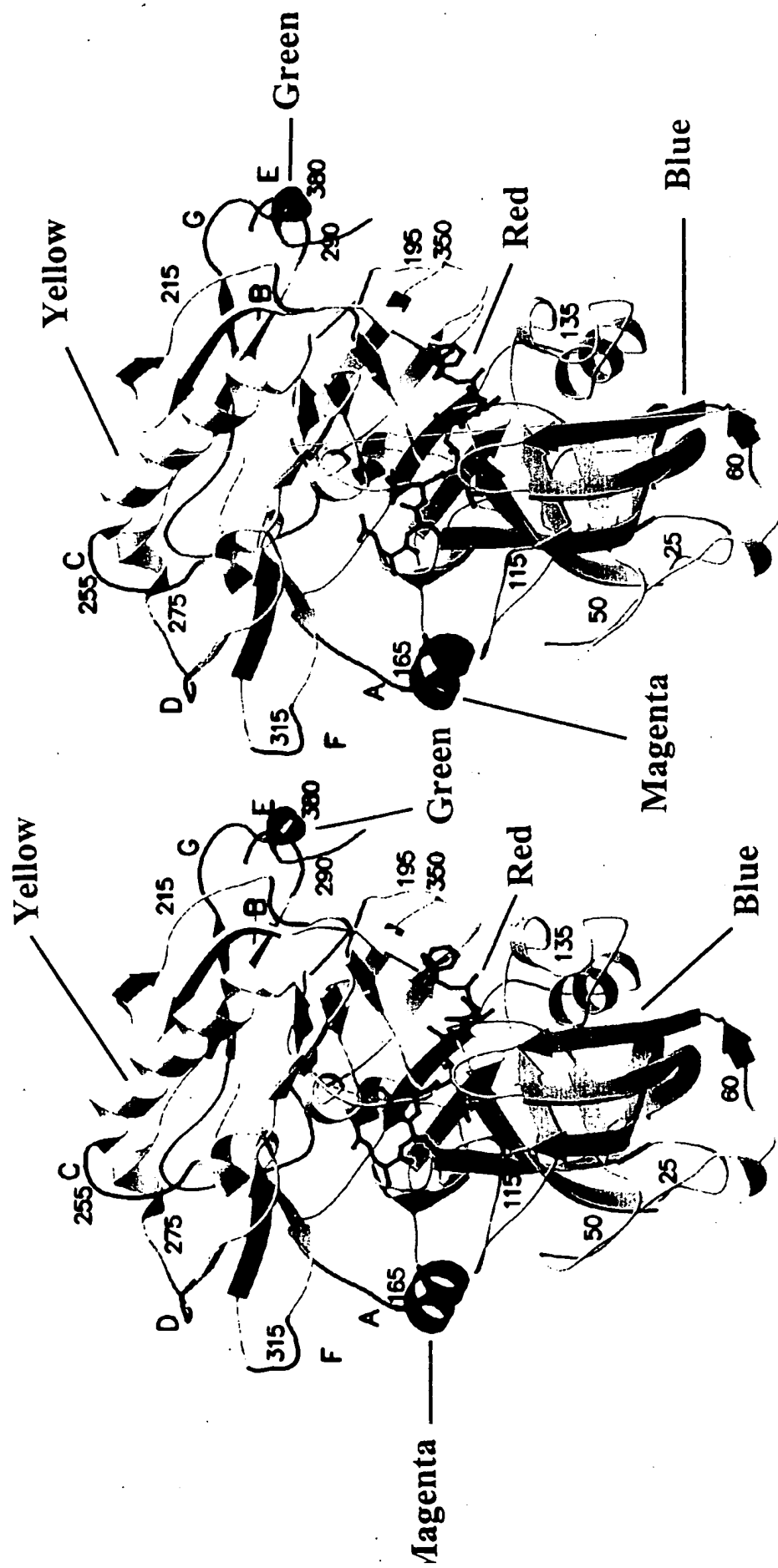


FIG. 6

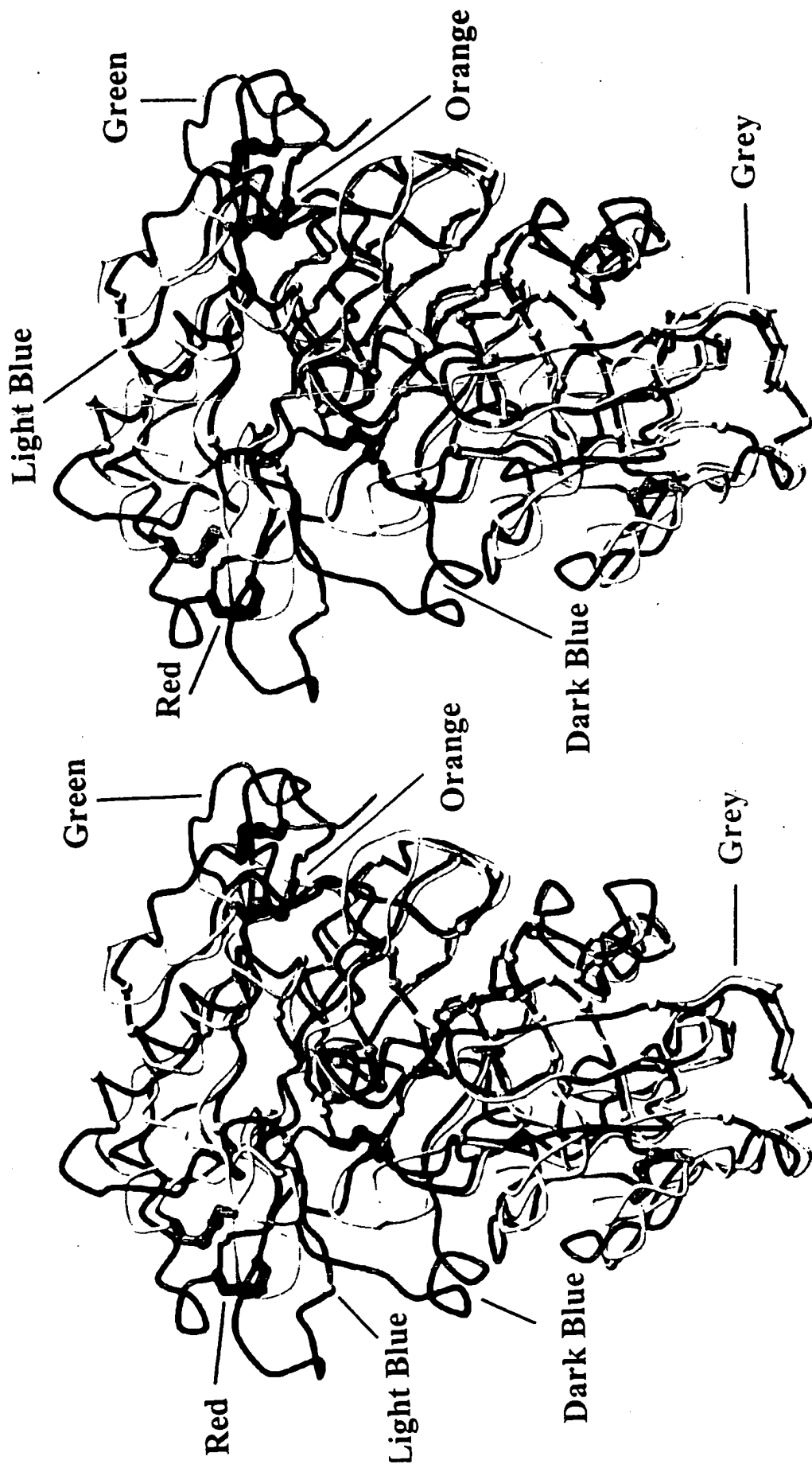


FIG. 7

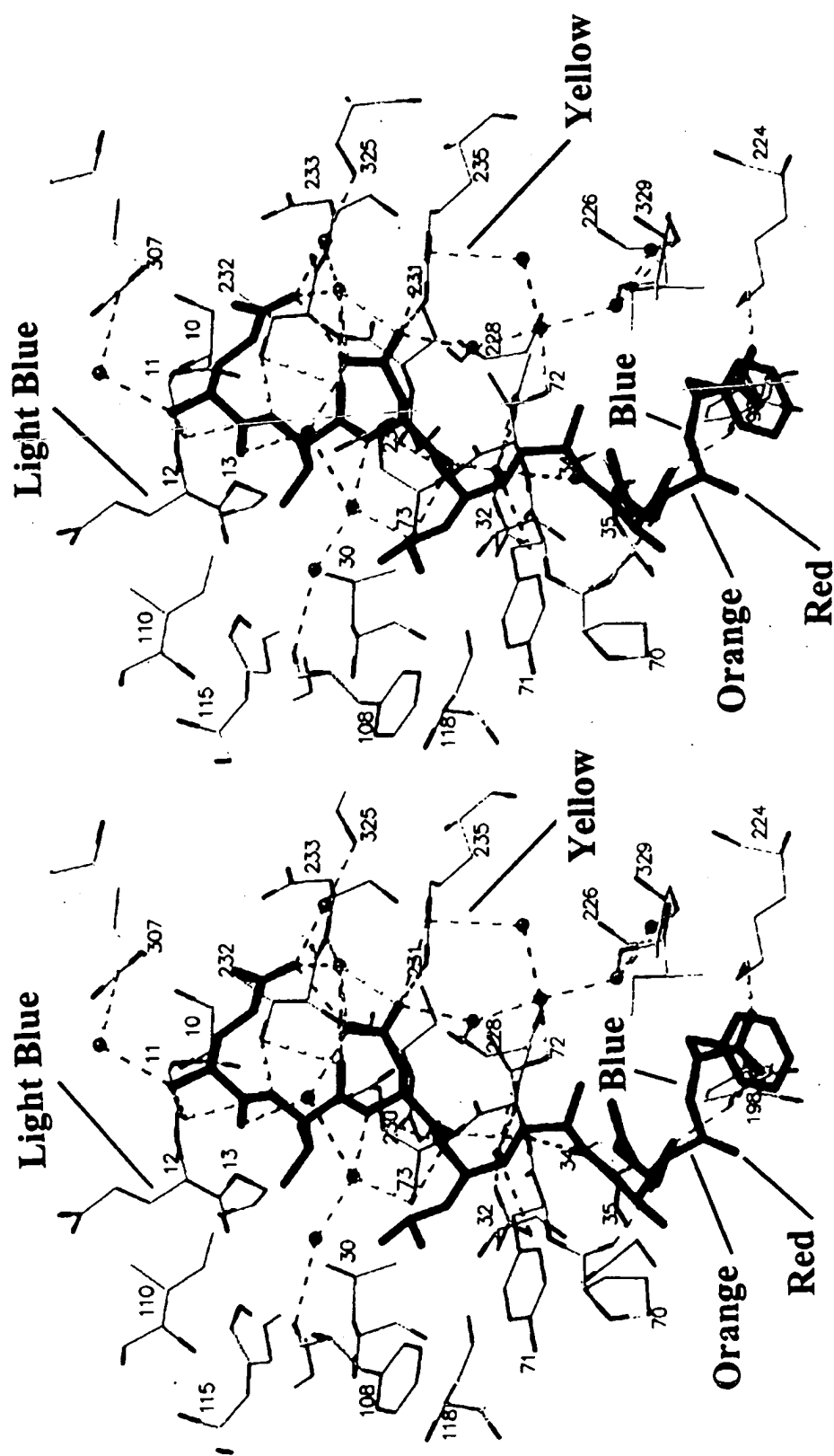


FIG. 9

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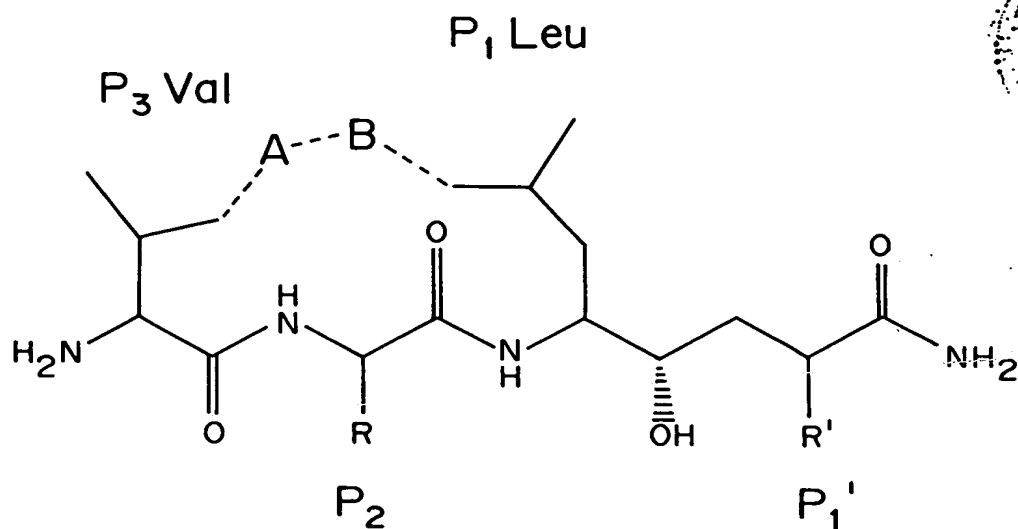
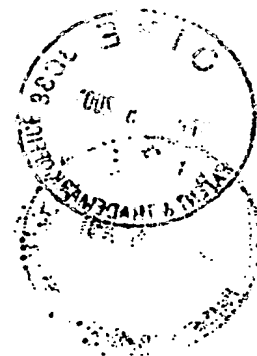


FIG. 10

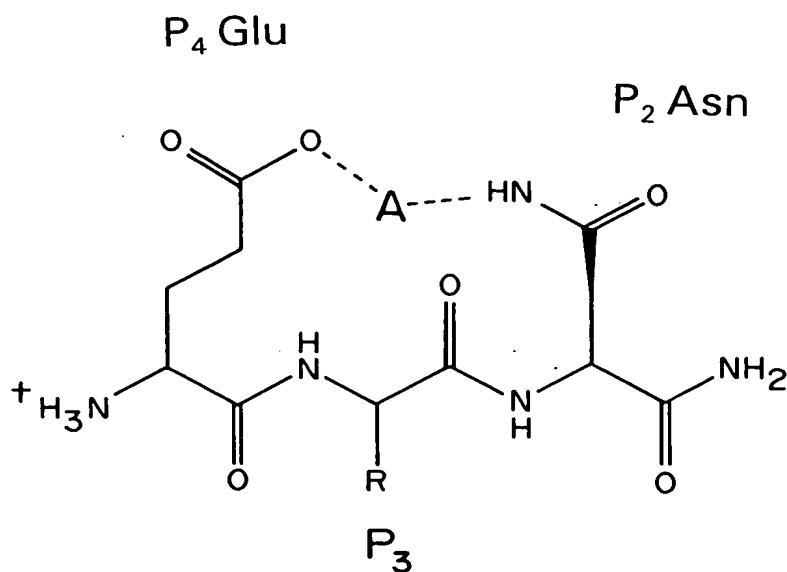


FIG. 11

APPROVED	C.G. FIG.	
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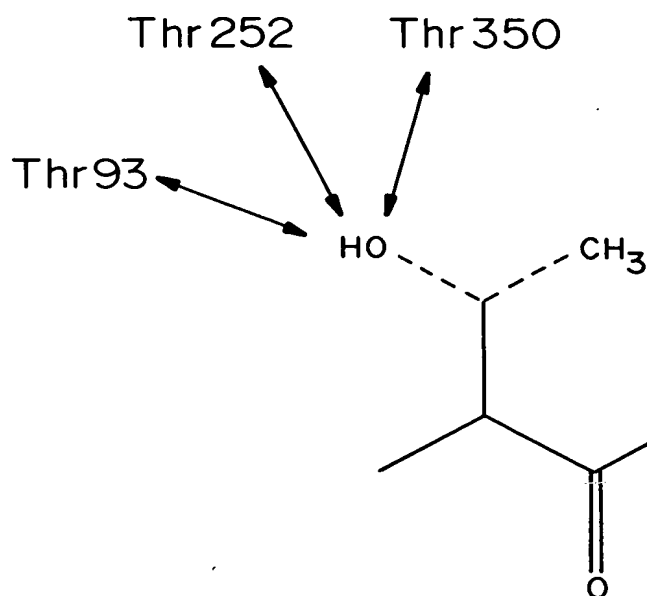


FIG. 12

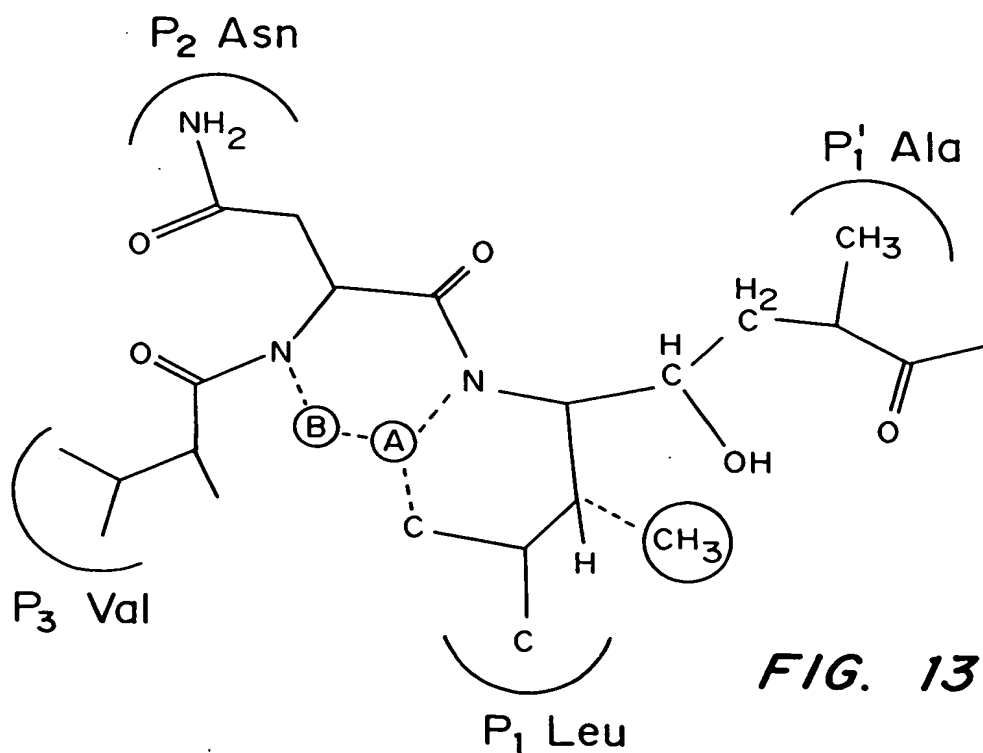


FIG. 13